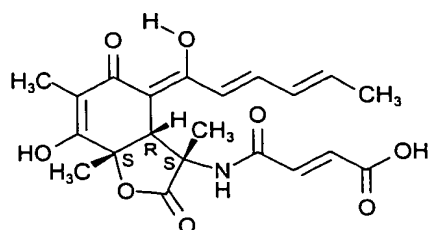


## **Abstract**

Methods for an improved culturing of the fungus *Penicillium chrysogenum*, in particular strain KIP 3201, for an optimised production of the anti-tumour natural compound sorbicillactone A (**2**), and derivatives thereof in large amounts



**2**

as well as optimised methods for the recovery and purification thereof from the fungal biomass and from the culture medium are described. Furthermore, the biological activity of sorbicillactone A (**2**), and studies regarding the genotoxicity of the compound are described.